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[X] Pursuant to 37 C.F.R. § 1.8, I hereby certify that this paper and all enclosures are being deposited with the United States Postal Service as first class mail on the date indicated below in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231.

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Dated: April 19, 2001

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GRACE B. BARIT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Michael R. Stallcup, et al.	Assignee:	University of Southern California
Filing Date:	December 15, 1999	Examiner:	Rebecca Prouty
Serial No.:	09/464,377	Group Art Unit:	1652
Title:	REGULATION OF GENE EXPRESSION BY PROTEIN METHYLATION		

Assistant Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO RESTRICTION REQUIREMENT UNDER 35 U.S.C. § 121

Dear Sir:

This is in response to the restriction requirement set forth in the Office Action mailed on March 28, 2001. In the Office Action, the Examiner identified nine claim groups and required the election of one claim group for prosecution in the present application. The nine claim groups are as follows:

- I. Claims 1-3, "drawn to DNA, vectors and host cells."
- II. Claims 4-13, "drawn to a protein arginine methyltransferase."
- III. Claims 14-16, "drawn to antibodies to protein arginine methyltransferase."
- IV. Claims 17-20, "drawn to methods of methylating a polypeptide."
- V. Claim 21, "drawn to methylated histone H3."
- VI. Claim 22, "drawn to antibodies to methylated histone H3."
- VII. Claims 23-26, "drawn to assays for modulators of CARM1/GRIP-1 binding."
- VIII. Claims 27-32, "drawn to methods of modulating expression of a nuclear-receptor dependent gene."
- IX. Claims 34-38, "drawn to methods of screening for modulators of CARM1 coactivator activity."